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CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-DC-PMC-2014-15 **Date:** 05.05.2014

Aggregate Impact Value
IS: 2386 Part IV

Client	**Executive Engineer,** Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency	**M/s. Damodar & Co,** Contractor, Bangalore.
Name of the Work	Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-II in J P Park, Ward No 17.
Reference	EE/RRND/Wo. NO/226/2013-14 Date: 06.02.2014
Type of Mix	Wet Mix macadam
Date of Testing	05.05.2014

Sl No.	Details	Trial No. 1	Trial No. 2	Trial No. 3	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	374	378	380	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	84	88	87	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	290	290	293	
4	Aggregate Impact value = percent fines $100^* (W_2/W_1)\%$	22.46	23.28	22.89	22.88

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

Note:

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Job No.: CECTC-DC-PMC-2014-15 Date : 05.05.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency : **M/s. Damodar & Co,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-II in J P Park, Ward No 17.
Reference : EE/RRND/Wo. NO/226/2013-14 Date: 06.02.2014
Date of Testing : 05.05.2014
Material Type : Wet Mix Macadam

Oven Dry.Wt 12400

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	500	500	4.0	96.0	95-100
22.4	4265	4765	38.4	61.6	60-80
11.2	2365	7130	57.5	42.5	40-60
4.75	1786	8916	71.9	28.1	25-40
2.36	1230	10146	81.8	18.2	15-30
0.600	1087	11233	90.6	9.4	8-22
0.075	837	12070	97.3	2.7	0-8

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Job No.: CECTC-DC-PMC-2014-15

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GRADATION FOR WMM
MORTH TABLE-400-11

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Agency : **M/s. Damodar & Co,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-II in J P Park, Ward No 17.
Reference : EE/RRND/Wo. NO/226/2013-14 Date: 06.02.2014
Date of Testing : 05.05.2014
Material Type : Wet Mix Macadam

Oven Dry.Wt 12574

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	487	487	3.9	96.1	95-100
22.4	4132	4619	36.7	63.3	60-80
11.2	2647	7266	57.8	42.2	40-60
4.75	1878	9144	72.7	27.3	25-40
2.36	1235	10379	82.5	17.5	15-30
0.600	1065	11444	91.0	9.0	8-22
0.075	800	12244	97.4	2.6	0-8

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Job No.: CECTC-DC-PMC-2014-15

Date: 05.05.2014

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Executive Engineer,** Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency	**M/s. Damodar & Co,** Contractor, Bangalore.
Name of Work	Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-II in J P Park, Ward No 17.
Reference	EE/RRND/Wo. NO/226/2013-14 Date: 06.02.2014
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Wet Mix Macadam
Date of Testing	05.05.2014

Result : Flakiness Index = **15.32%**

Elongation Index = **11.78%**

Result : Combined Flakiness & Elongation index **27.10%**

Comments:

→ Maximum allowable Flakiness & Elongation Index for Wet Mix Macadam is 30%

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Job No.: CECTC-DC-PMC-2014-15

Date: 05.05.2014

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Executive Engineer,** Rajarajeshwarinagar Division, BBMP, Bangalore.
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Reference	EE/RRND/Wo. NO/226/2013-14 Date: 06.02.2014
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Wet Mix Macadam
Date of Testing	05.05.2014

Result : Flakiness Index = **14.98%**

Elongation Index = **11.45%**

Result : Combined Flakiness & Elongation index **26.43%**

Comments:

→ Maximum allowable Flakiness & Elongation Index for Wet Mix Macadam is 30%

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